CLAIMS

What is claimed is:

- 1. A device comprising:
 - a first electrical unit;
 - a second electrical unit; and
- a first set of electrical connections extending from the second electrical unit, each of the first set of electrical connections including a distal tip and a base, wherein at least a distal portion of each of the first set of electrical connection narrows towards the distal tip, each of the first set of electrical connections including at least 50% copper.
- 2. The device of claim 1, wherein the first electrical unit is a substrate and the second electrical unit is a semiconductor die.
- 3. The device of claim 1, wherein the first electrical unit is a semiconductor die.
- 4. The device of claim 1, wherein each of the first set of electrical connections includes at least 80% copper.
 - 5. The device of claim 1, wherein each of the first set of electrical connections has a melting point of at least 400 degrees Celsius.
 - 6. The device of claim 1, wherein each of the first set of electrical connections is tapered.
 - 7. The device of claim 1, wherein along a portion of the first set of electrical connections the width increases with the distance from the die.
 - 8. The device of claim 1, wherein each of the first set of electrical connections has a triangular or substantially triangular side cross section.
 - 9. The device of claim 1, wherein each of the first set of electrical connections has a conical or substantially conical shape.
 - 10. The device of claim 1, wherein each of the first set of electrical connections has a pentagonal or substantially pentagonal side cross section.
 - 11. The device of claim 1, wherein each of the first set of electrical connections has a shape of a frustum or has a substantially frustum-like shape.
 - 12. The device of claim 1, comprising a non-conductive material disposed between the first electrical unit and the second electrical unit.

- 13. The device of claim 1, comprising a first set of electrical connections extending from the first electrical unit and connecting with the second set of connections.
- 14.A device comprising:
 - a substrate including substrate electrical connections; and
- a semiconductor die including set of die electrical connections, each of the die electrical connections having a first end connection area and a second end connection area, the first end connection area being connected to the semiconductor die, the first end connection area being wider than the second end connection area.
- 15. The device of claim 14, wherein each of the die electrical connections includes at least 50% copper.
- 16. The device of claim 14, wherein each of the die electrical connections has a triangular or substantially triangular side cross section.
- 17. The device of claim 14, wherein each of the die electrical connections has a conical or substantially conical shape.
- 18. The device of claim 14, comprising a non-conductive material disposed between the semiconductor die and the substrate.
- 19.A device comprising:
 - a substrate;
 - a semiconductor die; and
- a set of die electrical connections extending from the semiconductor die, each of the die electrical connections including a distal tip and a base, wherein the distal tip is narrower than a portion closer to the base, wherein each of the die electrical connections includes at least 50% copper.
- 20. The device of claim 19 wherein each of the die electrical connections includes at least 80% copper.
- 21. The device of claim 19, wherein each of the die electrical connections has a melting point of at least 400 degrees Celsius.
- 22. The device of claim 19, wherein each of the die electrical connections is tapered.
- 23.The device of claim 19, wherein each of the die electrical connections has a triangular or substantially triangular side cross section.

- 24. The device of claim 19, wherein each of the die electrical connections has the shape of a frustum or has a substantially frustum-like shape.
- 25. The device of claim 19, comprising a non-conductive material disposed between the semiconductor die and the substrate.
- 26. The device of claim 19, comprising substrate electrical connections extending from the substrate and connecting with the die electrical connections.
- 27.A device comprising:
 - a processor, the processor including:
 - a substrate;
 - a semiconductor die; and
 - a set of electrical connections extending from the semiconductor die, each of the electrical connections including a distal tip and a base, wherein the distal tip is narrower than the base, wherein each of the electrical connections includes at least 50% copper; and
 - a DRAM.
- 23. The device of claim 27, wherein each of the electrical connections includes at least 80% copper.
- 29. The device of claim 27, comprising a non-conductive material disposed between the semiconductor die and the substrate.